ABSTRACT OF THE DISCLOSURE

In an optical fiber coating method comprising the steps of; applying an injecting first coating resin to the outer periphery of the optical fiber while inserting the optical fiber through a first die hole provided in a first coating die; and applying an injected second coating resin onto the first coating resin while inserting the optical fiber through a second die hole provided in a second coating die. Wherein a disk-shaped upper end face of the second coating die and a basically disk-shaped lower end face of the first coating die having a protrusion formed around the first die hole and projecting in the passing direction of the optical fiber are opposed to each other so as to arrange the first and second die holes concentrically, and the second coating resin is injected into the second die hole by way of a gap formed between the lower end face of the first coating die and the upper end face of the second coating die, so as to reduce an annular lower-pressure region formed around the optical fiber in a flow of the second coating resin within the gap.